

ABSTRACT OF THE DISCLOSURE

5       An adjustable cam shaft includes an elongated shaft which may include multiple shaft sections rotatably coupled to one another. Intake and exhaust cam lobes are carried by the one or more shafts and are selectively rotatable relative to one another and selectively locked in place relative to one another in order to adjust a displacement angle between the cam lobes to alter intake and exhaust timing and other engine characteristics without the need to replace the cam shaft.